

# ZsProSensor-1

<b>ZsGreen1 wt</b>	<b>MODC (410-461)</b>
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## REPLACEMENT SHEET

FIG. 2A

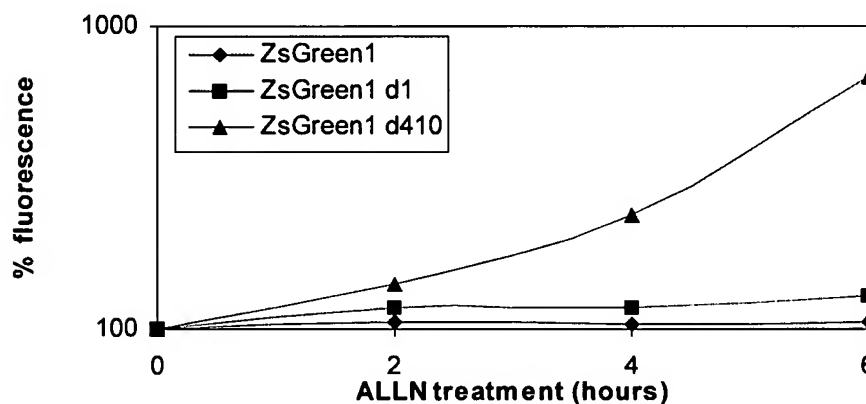
**Targeting of ZsGreen to degradation by the proteasome using motif from MODC.**

Flow Cytometry. Mean Fluorescence Intensities (MFI) of HEK 293 cells transiently transfected with plasmids encoding ZsGreen, ZsGreend1 and ZsGreend410. Standard deviations from duplicates.



FIG. 2B

Flow Cytometry. Same as 1A. Cells were treated for 0 to 6 hours with 10 ug/ml ALLN.



## REPLACEMENT SHEET

FIG. 3A

**Generation of stable cell clone expressing ZsGreend410 to monitor the activity of the proteasome in a HTS fashion.**

Flow Cytometry. MFI of a stable clone of HEK 293 transfected with a plasmid encoding ZsGreend410. Cells treated for 6 hours with or without 10 ug/ml ALLN. Standard deviations from duplicates.

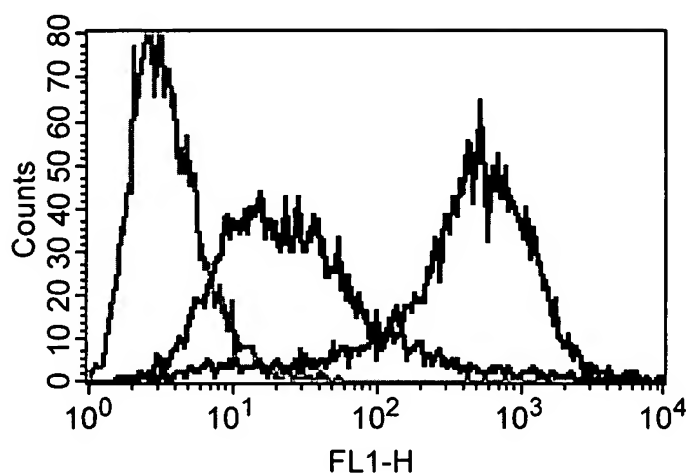


FIG. 3B

Microscopy. Micrographs of a stable clone of HEK 293 transfected with a plasmid encoding ZsGreend410. Cells treated for 10 hours with 10 ug/ml ALLN. Micrographs taken with same exposure times.

# REPLACEMENT SHEET

FIG. 3C

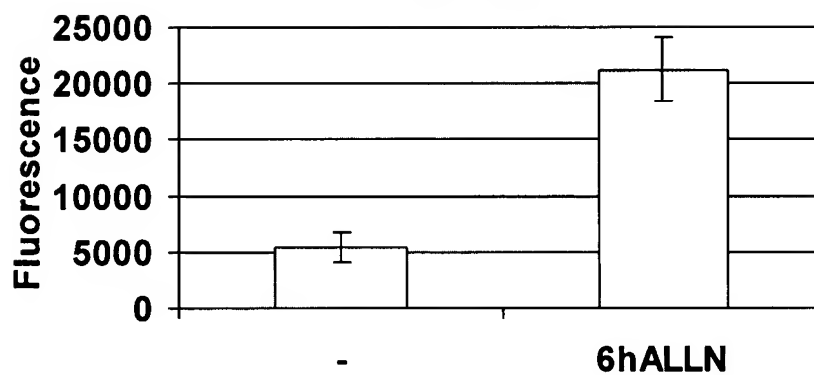


FIG. 4

(same as 2B with the stable clone)

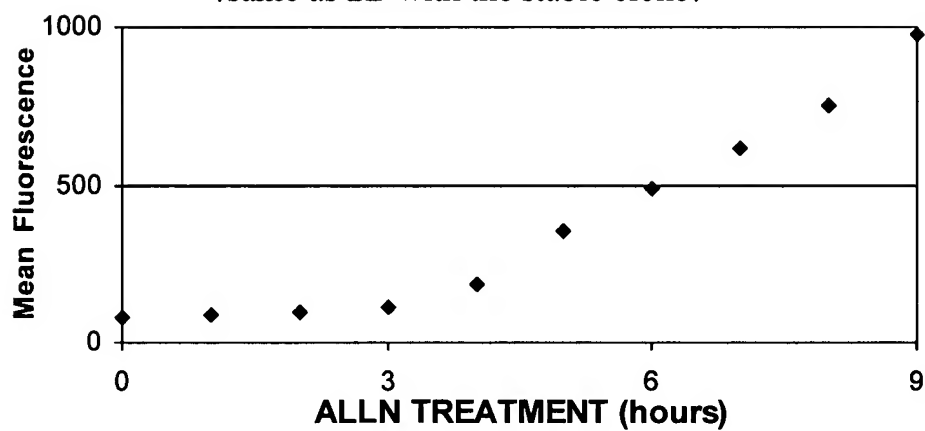
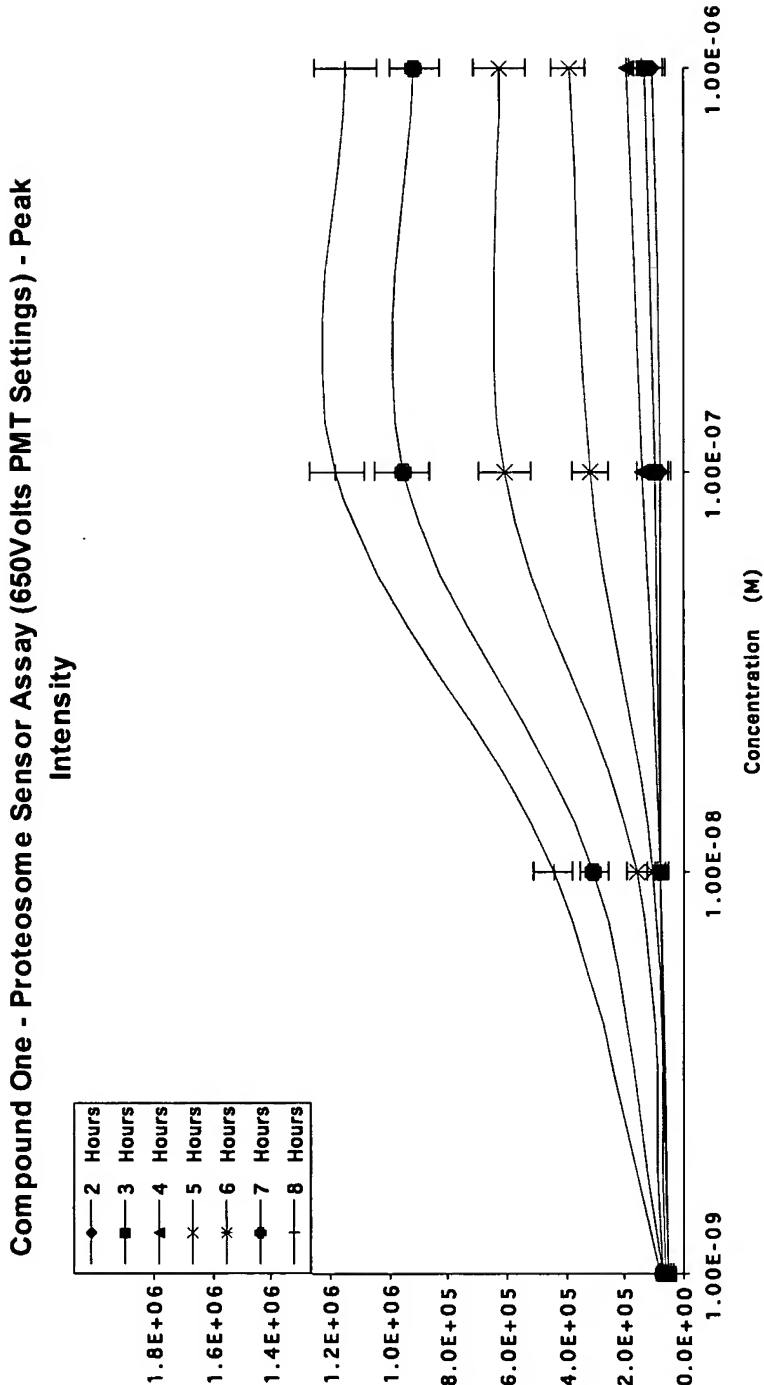
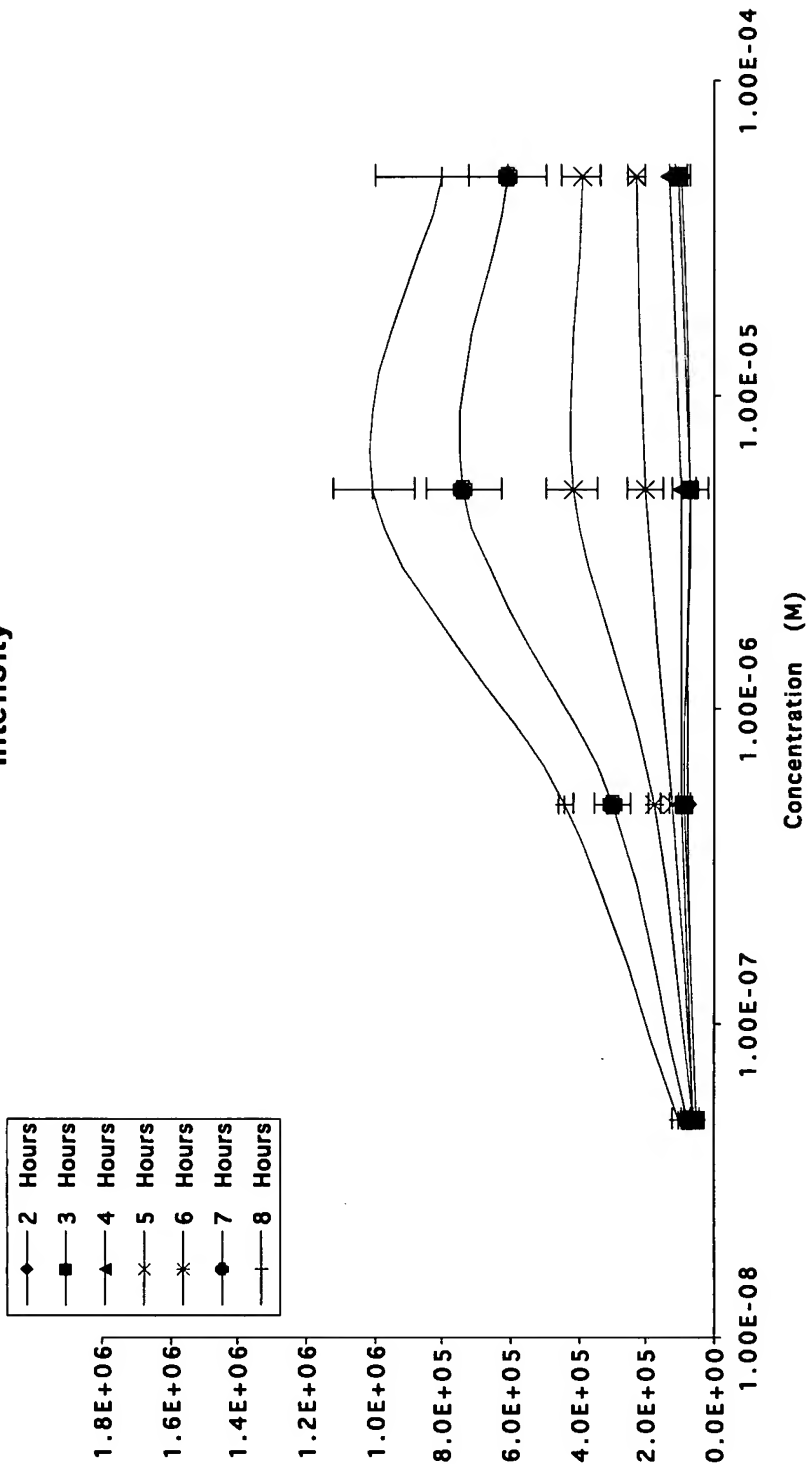


FIG. 5A



Dose response curve obtained with the stable clone and Acumen explorer machine. Compound 1=Epoxomycin

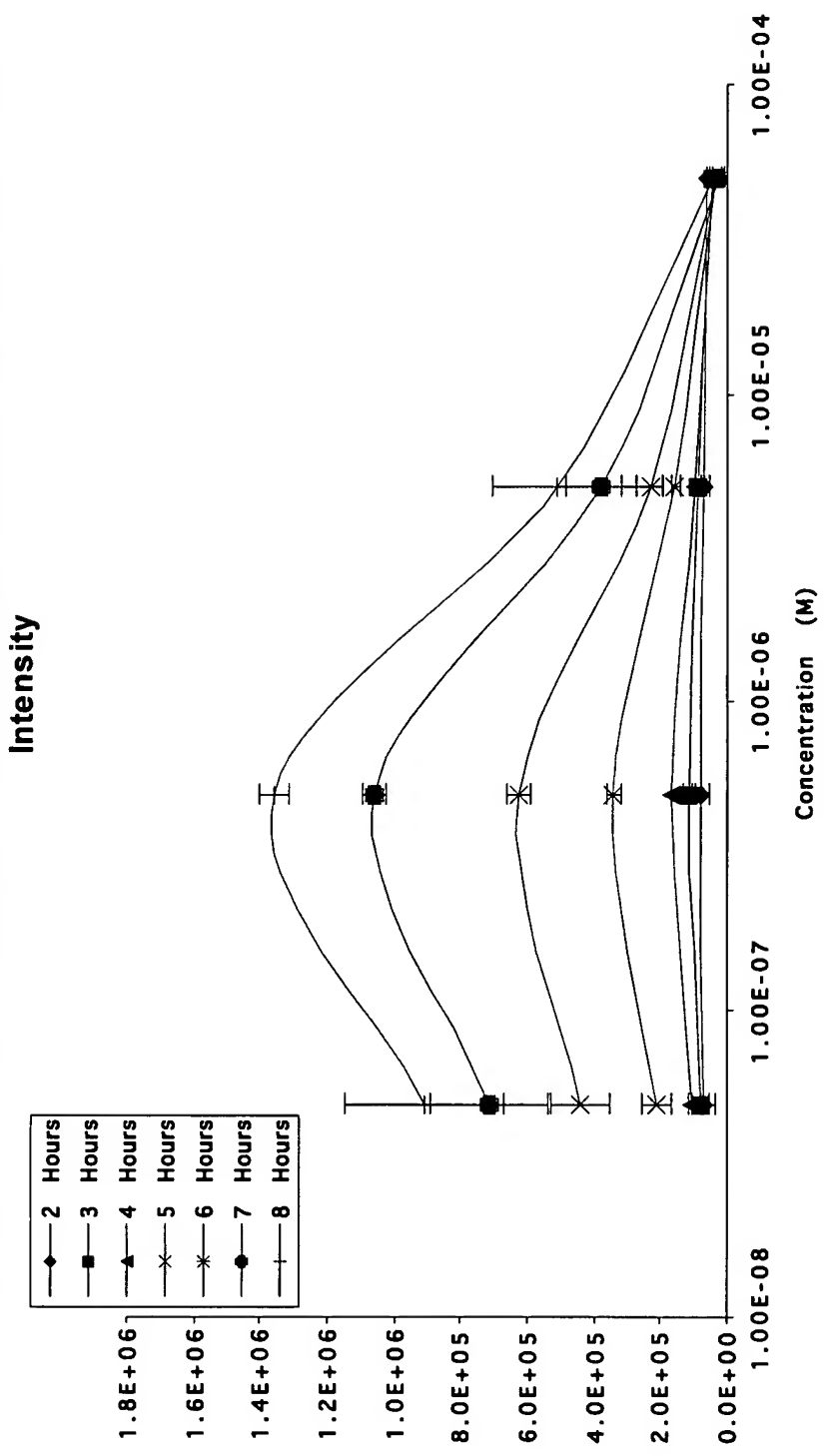
FIG. 5B  
Compound Two - Proteosome Sensor Assay (650Volts PMT Settings) - Peak Intensity



Dose response curve obtained with the stable clone and Acumen explorer machine. Compound 2=Lactacystin

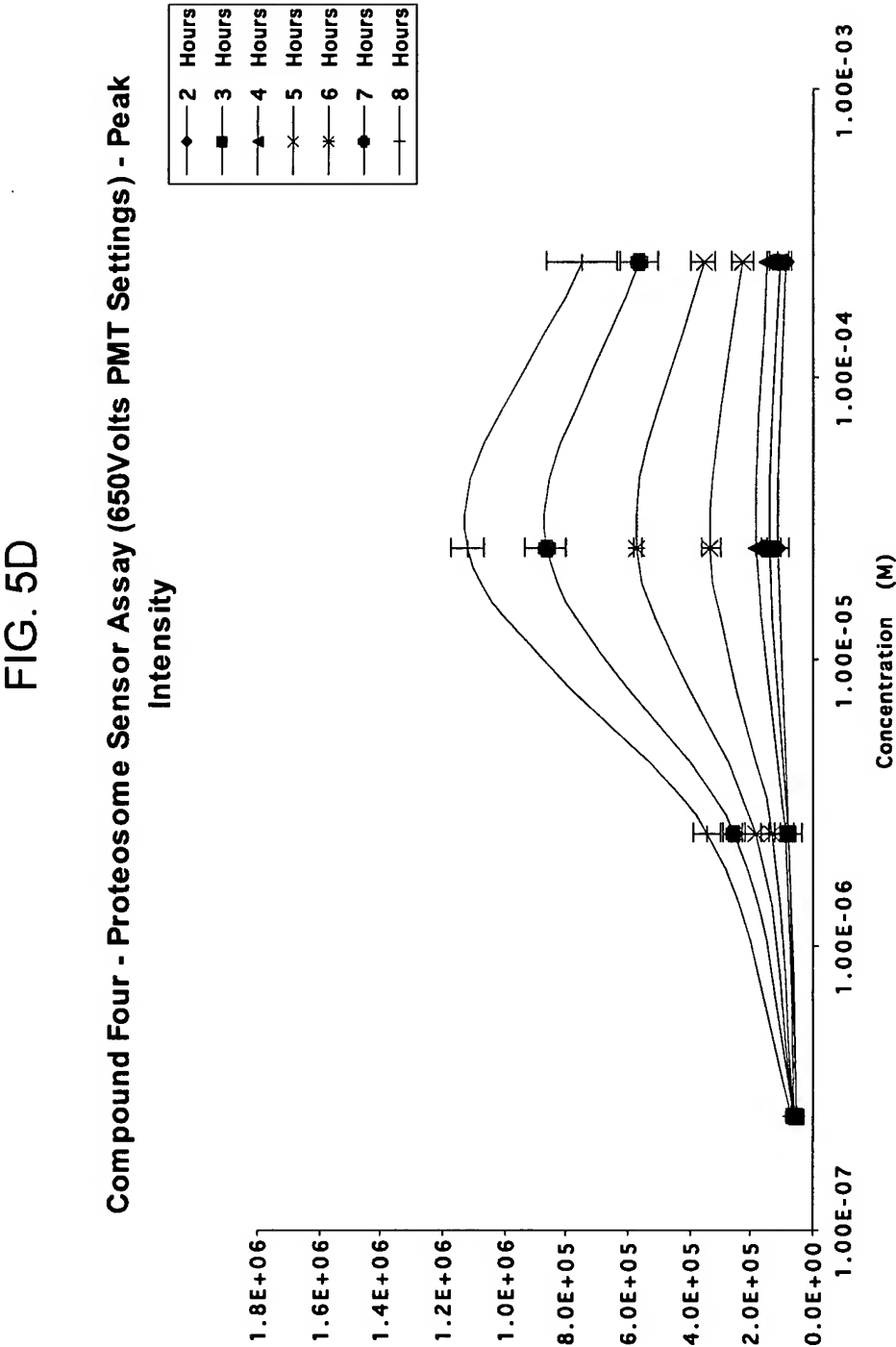
FIG. 5C

Compound Three - Proteasome Sensor Assay (650Volts PMT Settings) - Peak



Dose response curve obtained with the stable clone and Acumen

explorer machine. Compound 3=ZLLH



Dose response curve obtained with the stable clone and Acumen explorer machine. Compound 4=ALLN.